```java
/*
 * Execution: java CatherineYangResume
 *
 * This program details the qualifications of Catherine Yang and provides
 * information about her past work, volunteer, and extracurricular experience, as
 * well as her skills.
 *
 * Objective: To gain experience in the fields of computer science and engineering
 * in a stimulating environment. To learn from experts in the field. To expand
 * upon strong background in mathematics and physics.
 *
 * Note: I am currently in the process of transferring into the School of
 * Engineering and Applied Sciences and switching my major to Computer Science.
 * However, my transcript does not reflect this because I have not completed the
 * process yet. (It does contain the computer science and mechanical engineering
 * classes I am taking next semester.) Thank you for your consideration!
 */

import java.util.LinkedList;

public class CatherineYangResume {
    // Contact Info
    private static final String NAME = "Catherine Yang";
    private static final String ADDRESS = "2141 21st Street, Santa Monica,
                                CA 90405";
    private static final String EMAIL = "catyang@sas.upenn.edu";
    private static final double PHONE = 310.5933066;

    // Education
    private static final String COLLEGE = "University of Pennsylvania";
    private static final String CANDIDATE_FOR = "Bachelor of Science in
                                Engineering";
    private static final String INTENDED_MAJOR = "Computer Science";
    private static final String INTENDED_MINOR = "Mechanical Engineering";
    private static final double GRADUATION = 5.2019;
    private static double GPA = 3.74;
    private static LinkedList<String> skills = new LinkedList<String>();
    private static LinkedList<String> qualifications = new LinkedList<String>();
    private static LinkedList<String> awardsAndHonors = new LinkedList<String>();

    public static void main(String[] args) {
        // Proficient
        skills.add("Java");
        skills.add("Microsoft Word");
        skills.add("Microsoft Excel");
```

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skills.add("Microsoft Powerpoint");
skills.add("Mandarin Chinese and Spanish");

// Familiar
skills.add("R");
skills.add("Autodesk Inventor");
skills.add("C++");
skills.add("MATLAB");
skills.add("HTML");


// Experience
WorkExperience studentWorker = new WorkExperience("Santa Monica
                              Public Library, Pico Branch", 6.2014,
                              8.2015);
studentWorker.resp("Assisted librarians in the smooth operation of the
                   library");
studentWorker.resp("Communicated with and assisted patrons");
studentWorker.resp("Helped plan and execute library events");
studentWorker.resp("Performed administrative and clerical duties");
qualifications.add("Strong communication and interpersonal skills");
qualifications.add("Flexible team player");


WorkExperience researchAssistant = new WorkExperience("UCLA
                                   Translational Oncology Lab",
                                   6.2013, 8.2014);
researchAssistant.resp("Conducted own research testing the effect of
                       ERK-inhibitors on lung cancer cells");
researchAssistant.resp("Assisted Dr. Ming Lu with pancreatic cancer
                       research");
researchAssistant.resp("Data entry and data analysis");
qualifications.add("Strong research background");


VolunteerExperience systemManager = new VolunteerExperience("CLSSC
                                    Chinese School", 6.2014, 5.2015);
systemManager.resp("Worked with Arthur Hsu, senior Google engineer, to
                   transform the school's registration into a modern
                   cloud-based system");
systemManager.resp("Rebuilt the school's registration website");
systemManager.resp("Conducted maintenance on the system");
qualifications.add("Ability to collaborate with others on coding
                   projects");
```

```
Extracurricular setCrew = new Extracurricular("Front Row Theatre
                          Company and Quadramics Theatre Company",
                          2015, 2016);
setCrew.resp("Helped design and construct sets for productions of
            'From Up Here' and 'All Shook Up'");
qualifications.add("Ability to build structurally sound apparatuses");
qualifications.add("Strong background in hands-on construction and the
                   design process");


Extracurricular mathCircle = new Extracurricular("UCLA", 2010, 2015);
mathCircle.description("Learned and discussed beyond the scope of
                       school mathematical topics");
mathCircle.description("Worked together with professors and UCLA
                       students to solve problems");
qualifications.add("Strong mathematics background");


Extracurricular materialsCamp = new Extracurricular("Missouri
                                University of Science and
                                Technology", 2014, 2014);
materialsCamp.description("Explored materials science and engineering
                          principles");
materialsCamp.description("Won the design competition by making a car
                          out of food products");


WorkExperience circulationDeskAsst = new WorkExperience("University
                                     of Pennsylvania Library",
                                     9.2015, 4.2016);
circulationDeskAsst.resp("Check out and renew materials);
circulationDeskAsst.resp("Assist patrons");


Extracurricular eWasteClub = new Extracurricular("E-Waste Club",
                                                 2013, 2015);
eWasteClub.resp("Founder and Treasurer");
eWasteClub.resp("Organized public events, including citywide e-waste
                drives");
eWasteClub.resp("Taught students about electronic waste and its
                adverse effects");
eWasteClub.resp("Handled finances of the club");


// Awards and Honors
awardsAndHonors.add("U.S. Presidential Scholars Program Nominee,
                    2015");
awardsAndHonors.add("AMC 10 School First Place, 2013");
```

```java
            awardsAndHonors.add("Math Kangaroo Top 15 National Winner, 2011");
        }
    }

interface Experience {
    public void resp(String responsibilities);
}

class WorkExperience implements Experience {
    public WorkExperience(String location, double startMonthYear, double
                          endMonthYear) {
    }
    public void resp(String responsibilities) {
    }
}

class VolunteerExperience implements Experience {
    public VolunteerExperience(String location, double startMonthYear, double
                              endMonthYear) {
    }
    public void resp(String responsibilities) {
    }
}

class Extracurricular implements Experience {
    public Extracurricular(String location, int startYear, int endYear) {
    }
    public void resp(String responsibilities) {
    }
    public void description(String description) {
    }
}
```